1 **COHERER TYPE**
2 **STRAIN GAUGE TYPE**
3 .With temperature compensation
4 .Fluid- or gas pressure-actuated
5 .Dynamometer type
6 .Extensometer type
7 **RESISTANCE VALUE TEMPERATURE-COMPENSATED**
8 .Temperature-compensated actuator
9 .With additional compensating resistor or resistance element
10 ..Filament or wire resistance elements
11 **REFLECTOR DIRECTS HEAT ON ELEMENT**
12 **MOVABLE MAGNET ACTUATES RESISTOR THROUGH HOUSING OR PARTITION**
13 **RESISTANCE VALUE RESPONSIVE TO A CONDITION**
14 .Plural conditions
15 .Photoconductive (e.g., light sensitive)
16 ..With vibration control
17 ..Plural resistance elements (e.g., mosaic)
18 ..Infrared radiation
19 ..With transparent housing
20 .Current and/or voltage (e.g., ballast resistor)
21 ..Voltage surge-responsive or lightning arrester type
22 R ..Thermistor type
23 ...Indirectly heated
22 SD ...Semiconductor
24 ..Indirectly heated
25 .Ambient temperature
26 ..Cable or tape type (e.g., fire-detecting cable)
27 ..Liquid contact or element
28 ..Probe type
29 ...Mechanically adjustable or variable
30 ...Terminal forms casing or housing
31 ..Mechanically adjustable or variable
32 R .Magnetic field or compass (e.g., Hall effect type)
32 H ..Hall effect
32 S ..Superconductors
33 .Float actuator
34 .Gas, vapor, or moisture absorbing or collecting
35 ..Humidity
36 .Fluid- or gas pressure-actuated
37 ..Vehicle tire inflation
38 ..Liquid resistance element or contact
39 ..Piston
40 ..Bourdon tube
41 ..Bellows or capsule
42 ..Diaphragm
43 .Gravity stabilized or inertia actuator
44 ..Liquid resistance element or contact
45 ..Centrifugal
46 ..Pendulum
47 .Force-actuated
48 **PLURAL SEPARATE DIVERSE RESISTORS**
49 **SHUNT TYPE**
50 **MOUNTED ON WHEELS OR VEHICLE**
51 **WITH HEAT DISSIPATING PROJECTIONS (E.G., VANES)**
52 .Granular, powdered, or transversely stacked resistance element
53 **WITH COOLING GAS OR LIQUID CIRCULATION**
54 .Element granular, powdered, or stacked between terminals
55 .With cooling liquid circulation
56 ..Liquid resistance element circulates
57 .Vented or ventilating casing or housing
58 .Ventilated helical or zigzag element
59 **WITH HEAT-STORING**
60 **WITH CAPACITY-REDUCING**
61 **WITH INDUCTANCE-REDUCING**
62 .Helical or wound element
63 ..Bifilar
64 **WITH ELECTRICAL SHIELD**
65 .Mechanically variable resistor
66 **IGNITION INTERFERENCE SUPPRESSOR TYPE**
67 **WITH DIVERSE NONELECTRICAL DEVICE (E.G., MECHANICAL OR CHEMICAL)**
68 **MECHANICALLY VARIABLE (E.G., RHEOSTAT)**
69 .Musical instrument playing key actuated
70 .In or on lamp socket
71 ..Resistor surfaces pressed together (e.g., compressible type)

72 ..Resistor with intervening connector between contact and element (e.g., taps)
73 ..Resistor with contact angularly slidable on element
74 ..Resistor with contact rectilinearly slidable on element
75 .With resistor cleaner
76 .Interchangeable resistors of different resistance value
77 .Plug boxes
78 .With current reversing (e.g., reversing rheostat)
79 .With element winding and/or unwinding
80 .Liquid resistance element
81 ..Electrode separable from liquid element for switching
82 ..Adjustable insulating barrier between electrodes
83 ..Variable electrode separation
84 ...Plural ganged electrodes
85 ...Electrode rotatable
86 ..Level of liquid element adjustable on electrodes (e.g., electrodes move up and down in element)
87 .Contact adjustably inserted into resistance element (e.g., penetrating type)
88 ..Powdered element
89 .Mathematical function (e.g., sine-cosine potentiometer)
90 ..With slab or card-type resistance element
91 ..With mechanical converter
92 .Resistance element adjustably short-circuited
93 ..Compressible spring type
94 ..Liquid contact
95 ..With intervening structure between element and short-circuiting means (e.g., taps)
96 ..Spring contact strip progressively pressed along element
97 ..Unitary movable contact electrically bridges resistance portions
98 .With motion or vibration damping means (e.g., dashpots)
99 .Surfaces pressed together (e.g., compressible type)
100 ..Granular
101 ..Pile type
102 ...With contactor moving along pile
103 ...With electromagnetic operator (e.g., electric motor)
104 ....Force applied at both ends of pile
105 ....With diaphragm-type biasing spring
106 ....With initial pressure adjustment
107 ...With electromagnetic holder
108 ...Pedal- or treadle-operated
109 ...With initial pressure adjustment
110 ...With switch actuated by resistor actuator
111 ...With intervening conducting structure
112 ...Contact surface area of piles variable
113 ...With resilient pressure-applying linkage
114 .Deformable
115 .Element in piled or stacked layers
116 .With electromagnetic operator (e.g., electric motor)
117 .Slidable coextensive helical and linear contacts
118 .Movable contact electrically adjustable over length of resistance element
119 ..With contact position indicating lamp
120 ..Additional resistor adjustably shunts part of resistance element (e.g., varifunction type
121 ..With nonlinearity correction
122 ..Coarse and fine resistance elements
123 ...Plural elements and plural contacts
124 ....Contacts interlinked (e.g., lost motion type)
125 ..Unitary movable contact electrically bridges plural resistance elements
126 ...Elements or taps in parallel
127 ...Contact rotates between circularly arranged elements or taps

128 ..Plural
129 ...Sequentially operated
130 ...Ganged
131 ....Resistors individually adjustable
132 ....Resistors in tandem along rotary shaft or coupling
133 ....Rectilinearly operated
134 ...Individually operated concentric shaft type
135 ..With zero setting or phasing
136 ..Contact clamped on resistance element
137 ..Plural contacts adjustable over single resistance element
138 ..Element tapered
139 ...Portion of element shorted
140 ...With intervening connector between contact and element (e.g., taps)
141 ...Helical or wound
142 ...Element forms a coating
143 ..Contact moves along turns of helical resistance element
144 ...Contact lifts element from core
145 ...Helical resistance element moves
146 ...With helical collector parallel to helical element
147 ...Resistor formed as a flat spiral
148 ...With helical screw for moving the contact
149 ...With contact stop
150 ..Resistance element moves
151 ...With liquid contact
152 ...With knob mounting or enclosing the element
153 ..Contact operated by pedal or treadle
154 ..With a flexible conductive strip separating the movable contact and the resistance element or taps
155 ..Contact rocks along element or taps
156 ..With liquid contact
157 ..Contact rolls along element or taps
158 ...Contact rolls rectilinearly
159 ..With heat conducting or distributing path
160 ..Contact slides along in contact with element
161 ...With element casing open over contact track
162 ...Contact angularly slidable
163 ....With knob forming casing or covering
164 ....Hermetically sealed housing
165 ....With elongated rectilinear resistance element
166 ....With removable actuating shaft or key
167 ....Spring-loaded contact
168 ....With flexible lead-in to contact
169 ....Contact pressure adjustable
170 ....With contact biasing spring on contact arm or carrier
171 ....With plural contact portions
172 ....With switching
173 .....Contact separable from resistance element
174 ....With collector ring
175 .....Ring, a shaft-bearing
176 ...Contact rectilinearly slidable
177 ....Contact surrounds resistor
178 ....Contact separable from element for switching
179 ....With series switch
180 ....Screw-operated
181 .....Screw, a fine-adjustment
182 ....With contact lock
183 ....With collector bar
184 ..With housing
185 ..With intervening connector between contact and element (e.g., taps)
186 ...Connector formed as severed helical turns or as comb teeth
187 ...With arc suppressor
188 ...With collector bar or ring
189 ...With magnetic holder for controller arm
190 ...Angularly movable contact
191 ....With switch
192 ....Resistance element enclosed
193 .....Enclosure formed on and hardened on element
194 ...Rectilinearly movable contact
195 .Resistance value varied by removing or adding material
196 .With resistor actuator position indicator
197 .With support
198 .With switch actuated by resistor actuator

199 .With housing
200 .With switch
201 ..Switch connects plural elements in parallel
202 **MOVABLE CONTACT STRUCTURE**
203 **READILY SEVERABLE INTO INDEPENDENT RESISTORS**
204 **ELEMENT IN LAYERS PILED OR STACKED BETWEEN TERMINALS**
205 .With intervening conducting layer
206 **EXPANDED METAL TYPE**
207 **ELEMENT AND BASE PERMANENTLY FOLDED OR ROLLED**
208 **MESH, WOVEN, OR BRAIDED RESISTANCE ELEMENT**
209 **EXTENSIBLE**
210 **FLEXIBLE OR FOLDING**
211 .Element coated on flexible base
212 .Tape or sheet
213 .Beaded
214 .Cable type
215 **WITH SWITCH**
216 **IN COAXIAL TRANSMISSION LINE OR WAVE GUIDE**
217 **TAPERED ELEMENT**
218 .Helical or wound
219 **IN OR ON LAMP SOCKET OR BASE**
220 **IN DETACHABLE ELECTRICAL CONNECTOR**
221 **DETACHABLE PLUG-TYPE RESISTOR UNIT**
222 **WITH LIQUID ELEMENT**
223 **GRANULAR OR POWDERED ELEMENT**
224 .Granular or powdered mixtures
225 .Carbon particles
226 **INCASED, EMBEDDED, OR HOUSED**
227 .With resistance value indicator
228 .Casing extends through plate
229 .Probe type
230 .Metal casing or housing cast around element
231 .In liquid
232 .Casing or housing readily openable and/or separable from element
233 ..Elongated casing or housing with plug, disc, or cap at end
234 .With gaseous or vacuum spacing between element and casing or housing
235 ..Plural elements or resistors
236 ..Spacing of uniform thickness over length of element
237 ...Hermetically sealed
238 .Element inpowdered insulation with outer metallic sheath
239 ..Plural elements or resistors
240 ..Terminals or leads adjacent
241 ...Sheath only outside looped element
242 ..Shape of sheath
243 .Element in insulation with outer metallic sheath
244 ..Insulation coated on conducting liner
245 ..Entire insulation or sheath formed as a coating
246 ..With insulation and sheath external and internal to element
247 ..Plural part sheath
248 ...Insulation formed and hardened in situ (e.g., molded)
249 ...Parts formed as flat sheets
250 ..Insulation formed and hardened in situ (e.g., molded)
251 ..Sheath embraces or folds over insulation
252 .Element embedded or enclosed in groove or recess
253 ..With filling hardened in situ
254 .Flattened resistance element between flat layers
255 ..Layers coalesced or fused together
256 .Casing or housing formed in plural layers external to element
257 ..One layer a coating
258 .Resistance element formed as a coating on interior of casing or housing
259 .Wound, braided, or woven casing or housing
260 .Plural resistors
261 ..Helical or wound element
262 .Casing or housing formed as a coating
263 ..Helical or wound element
264 ...Element coiled on a core
265 ....Terminal or leads at one end of core
266 ....Terminal surrounds element and/or core
267 .Helical or wound element
268 ..Preformed sleeve engaging over element

269 ..Casing or housing formed on and hardened on resistor (e.g., molded)
270 ..Element coiled on a core
271 .Terminal forms casing or housing
272 .Terminal or lead surrounds and secured to casing or housing
273 .Terminal or lead extends into end of elongated casing or housing
274 ..With sealing plug, disc or cap
275 .Casing or housing formed on and hardened on resistor (e.g., molded)
276 .Terminal or lead extends through casing or housing wall
277 **WITH PROTECTING STRUCTURE SPACED FROM ELEMENT OR TERMINAL**
278 **EDGEWISE COILED HELICAL STRIP RESISTANCE ELEMENT**
279 **RIBBON RESISTANCE ELEMENT BENT OR CURVED ON FLAT SIDE**
280 .Zigzag or sinuous
281 ..Element includes integral stiffening structure
282 .Helical or wound
283 **ZIGZAG OR SINUOUS RESISTANCE ELEMENT**
284 .Element includes integral stiffening structure
285 .Element extends along groove in base
286 .Helical
287 .Compound or multiple zigzag
288 ..Element includes conductive jumpers or spacers
289 .Element includes conductive jumpers or spacers
290 .Element projects in or through an opening or a slot in a support or frame
291 .With transverse element stiffening or reinforcing rod or strip
292 .Element forms a coating
293 .Planar
294 .Cylindrical
295 **PLURAL RESISTANCE ELEMENTS CONNECTED BY A JUMPER OR SPACER**
296 **HELICAL OR WOUND RESISTANCE ELEMENT**
297 .Flat spiral winding
298 .Compound helix or winding
299 .Plural supported helices or windings
300 .Element forms a coating
301 .Element coiled on flat or ribbon base
302 .Element coiled on cylindrical or prismatic core
303 ..In helical groove on core
304 .Element on frame or support
305 ..Element extends in or through openings or grooves in frame or support
306 **WITH BASE EXTENDING ALONG RESISTANCE ELEMENT**
307 .Resistance element and/or terminals printed or marked on base
308 .Resistance element coated on base
309 ..Terminal coated on
310 .Resistance element extends through base
311 .Resistance element mounted in a groove in base
312 .Terminal extends in or through base
313 .Terminal embraces base
314 .Resistance element and base formed in layers
315 **WITH MOUNTING OR SUPPORTING MEANS**
316 .Compensates for or permits resistor
317 .Threading or projecting through the support
318 .Extending between supports
319 ..Plural resistors
320 .Plural resistors
321 **RESISTANCE ELEMENT CORES AND FRAMES**
322 **WITH TERMINAL**
323 .Terminal tapped on resistance element
324 .Diverse terminals
325 .With three or more terminals
326 .Terminals adjacent (e.g., looped resistor)
327 .Terminal coated on resistance element
328 .Terminal and resistance element disposed in flat layers
329 .Welded or soldered
330 .Terminal and resistance element integral
331 .Resistance element surrounds terminal

332 .Terminal embraces or surrounds resistance element
333 **PARTICULAR CONFIGURATION AND/OR DIMENSION**
334 **MISCELLANEOUS**

FOREIGN ART COLLECTIONS

FOR **CLASS-RELATED FOREIGN DOCUMENTS**

DIGESTS

DIG 1 **WORM GEAR DRIVE**